

1653
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TIPE
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/083,424A

DATE: 08/22/2002
TIME: 16:26:39

Input Set : A:\5294-6 sequence listing for diskette - no page numbers.txt
Output Set: N:\CRF4\08222002\J083424A.raw

4 <110> APPLICANT: Avicore Biotechnology Institute Inc.
 6 <120> TITLE OF INVENTION: Recombinant ScFv Antibodies Specific to Eimeria spp.
Responsible
 Responsible
 7 for Coccidiosis
 9 <130> FILE REFERENCE: Avicore-USA-1
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/083,424A
 C--> 11 <141> CURRENT FILING DATE: 2002-08-16
 11 <150> PRIOR APPLICATION NUMBER: KR 2001-52934
 12 <151> PRIOR FILING DATE: 2001-08-30
 14 <160> NUMBER OF SEQ ID NOS: 40
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 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 21
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Artificial Sequence
 23 <220> FEATURE:
 24 <223> OTHER INFORMATION: forward primer for PCR amplification of heavy chain variable
 25 region
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 33 <211> LENGTH: 21
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
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 39 region
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 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial Sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: forward primer for PCR amplification of light chain variable
 53 region
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 60 <210> SEQ ID NO: 4
 61 <211> LENGTH: 21
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Artificial Sequence
 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: reverse primer for PCR amplification of light chain variable

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 SEP 16 2002
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76 <212> TYPE: DNA
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79 <220> FEATURE:
80 <223> OTHER INFORMATION: reverse primer for PCR amplification of heavy chain variable
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84 <400> SEQUENCE: 5
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88 <210> SEQ ID NO: 6
89 <211> LENGTH: 21
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
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98 <400> SEQUENCE: 6
99 ggaggagacg atgacttcgg t
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 21
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: reverse primer for PCR amplification of light chain variable
109      region
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118 <212> TYPE: DNA
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132 <212> TYPE: DNA
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137      region
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145 <211> LENGTH: 51
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149 <220> FEATURE:
150 <223> OTHER INFORMATION: forward primer for PCR amplification of heavy chain variable
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158 <210> SEQ ID NO: 11
159 <211> LENGTH: 51
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173 <211> LENGTH: 21
174 <212> TYPE: DNA
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177 <220> FEATURE:
178 <223> OTHER INFORMATION: forward primer for PCR amplification of light chain variable
179 region
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187 <211> LENGTH: 55
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
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201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
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213 <211> LENGTH: 55
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: reverse primer for PCR amplification of scFv
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RAW SEQUENCE LISTING
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222 gtcctcgaa ctgcggccca gccgggcat ggccgccgtg acgttggacg agtcc	55
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231 <223> OTHER INFORMATION: forward primer for PCR amplification of scFv	
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238 <210> SEQ ID NO: 17	
239 <211> LENGTH: 369	
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243 <220> FEATURE:	
244 <221> NAME/KEY: CDS	
245 <222> LOCATION: (1)..(369)	
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248 gcc gtg acg ttg gac gag tcc ggg ggc ggc ctc cag acg ccc gga gga	48
249 Ala Val Thr Leu Asp Glu Ser Gly Gly Leu Gln Thr Pro Gly Gly	
250 1 5 10 15	
252 gcg ctc agc ctc gtc tgc aag gcc tcc ggg ttc acc ttc agc agc cat	96
253 Ala Leu Ser Leu Val Cys Lys Ala Ser Gly Phe Thr Phe Ser Ser His	
254 20 25 30	
256 ggc atg atg tgg gtg cga cag acg ccc ggc aag ggg ctg gag tgg gtc	144
257 Gly Met Met Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Glu Trp Val	
258 35 40 45	
260 gcg ggt att agc aac act ggt act tac acg tac tac gcg ccg gcg gtc	192
261 Ala Gly Ile Ser Asn Thr Gly Thr Tyr Thr Tyr Ala Pro Ala Val	
262 50 55 60	
264 aag ggc cgt gcc acc atc tcg agg gac aac ggg cag agc aca gtg agg	240
265 Lys Gly Arg Ala Thr Ile Ser Arg Asp Asn Gly Gln Ser Thr Val Arg	
266 65 70 75 80	
268 ctg cag ctg aac aac ctc agg gct gag gac acc ggc acc tac tac tgc	288
269 Leu Gln Leu Asn Asn Leu Arg Ala Glu Asp Thr Gly Thr Tyr Tyr Cys	
270 85 90 95	
272 gcc aaa ggt ggt gct tat tgt gct ggt tgt ggt gac atc gac gca	336
273 Ala Lys Gly Gly Ala Tyr Cys Ala Gly Cys Gly Gly Asp Ile Asp Ala	
274 100 105 110	
276 tgg ggc cac ggg acc gaa gtc atc gtc tcc tcc	369
277 Trp Gly His Gly Thr Glu Val Ile Val Ser Ser	
278 115 120	
281 <210> SEQ ID NO: 18	
282 <211> LENGTH: 123	
283 <212> TYPE: PRT	
284 <213> ORGANISM: chicken hybridoma cell line 2-1	
286 <400> SEQUENCE: 18	
287 Ala Val Thr Leu Asp Glu Ser Gly Gly Leu Gln Thr Pro Gly Gly	
288 1 5 10 15	
290 Ala Leu Ser Leu Val Cys Lys Ala Ser Gly Phe Thr Phe Ser Ser His	

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291	20	25	30	
293	Gly Met Met Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Glu Trp Val			
294	35	40	45	
296	Ala Gly Ile Ser Asn Thr Gly Thr Tyr Thr Tyr Ala Pro Ala Val			
297	50	55	60	
299	Lys Gly Arg Ala Thr Ile Ser Arg Asp Asn Gly Gln Ser Thr Val Arg			
300	65	70	75	80
302	Leu Gln Leu Asn Asn Leu Arg Ala Glu Asp Thr Gly Thr Tyr Tyr Cys			
303	85	90	95	
305	Ala Lys Gly Gly Ala Tyr Cys Ala Gly Cys Gly Gly Asp Ile Asp Ala			
306	100	105	110	
308	Trp Gly His Gly Thr Glu Val Ile Val Ser Ser			
309	115	120		
312	<210> SEQ ID NO: 19			
313	<211> LENGTH: 372			
314	<212> TYPE: DNA			
315	<213> ORGANISM: chicken hybridoma cell line 5D11			
317	<220> FEATURE:			
318	<221> NAME/KEY: CDS			
319	<222> LOCATION: (1)..(372)			
321	<400> SEQUENCE: 19			
322	gcc gtg acg ttg gac gag tcc ggg ggc ggc ctc cag acg ccc gga gga	48		
323	Ala Val Thr Leu Asp Glu Ser Gly Gly Leu Gln Thr Pro Gly Gly			
324	1 5 10 15			
326	gcg ctc agc ctc gtc tgc aag gcc tcc ggg ttc gac ttc agc agt tac	96		
327	Ala Leu Ser Leu Val Cys Lys Ala Ser Gly Phe Asp Phe Ser Ser Tyr			
328	20 25 30			
330	gac atg att tgg gtg cga cag gcg ccc ggc aag ggg ctg gaa tac gtc	144		
331	Asp Met Ile Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Tyr Val			
332	35 40 45			
334	gcg ggt att aga agt gat ggt agt agc ata tac tac ggg gcg gcg gtg	192		
335	Ala Gly Ile Arg Ser Asp Gly Ser Ser Ile Tyr Tyr Gly Ala Ala Val			
336	50 55 60			
338	aag ggc cgt gcc acc atc tcg agg gac aac ggg cag agc act ctg agg	240		
339	Lys Gly Arg Ala Thr Ile Ser Arg Asp Asn Gly Gln Ser Thr Leu Arg			
340	65 70 75	80		
342	ctg cag ctg aac aac ctc agg gct gag gac acc ggc acc tat tac tgc	288		
343	Leu Gln Leu Asn Asn Leu Arg Ala Glu Asp Thr Gly Thr Tyr Tyr Cys			
344	85 90 95			
346	gcc aaa agt tct tat ggt agt tgg aga ggt tct act ggt gac atc gac	336		
347	Ala Lys Ser Ser Tyr Gly Ser Trp Arg Gly Ser Thr Gly Asp Ile Asp			
348	100 105 110			
350	gca tgg ggc cac ggg acc gaa gtc atc gtc tcc tcc	372		
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352	115 120			
355	<210> SEQ ID NO: 20			
356	<211> LENGTH: 124			
357	<212> TYPE: PRT			
358	<213> ORGANISM: chicken hybridoma cell line 5D11			

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/083,424A

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Input Set : A:\5294-6 sequence listing for diskette - no page numbers.txt
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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date